

**UTILITY PATENT APPLICATION  
TRANSMITTAL UNDER 37 CFR 1.53(b)**

**ATTORNEY DOCKET 69449B/PRC**

To: Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

**Express Mail Label No.**

**EM148178671US**

**Date:** 1-19-99

**ELECTRONIC CAMERA SYSTEM WITH  
PROGRAMMABLE TRANSMISSION  
CAPABILITY**

**First Named Inventor (or Application Identifier):**

Kenneth A. Parulski, et al

Enclosed are:

1. ☒ Specification
2. ☐ Sheet(s) of drawing(s)
3. ☐ Information Disclosure Statement Under 37 CFR 1.97.
4. Combined Declaration for Patent Application and Power of Attorney:
  - 4a. ☐ New
  - 4b. ☒ Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 11 completed)
5. ☒ Incorporation by Reference (useable if Box 4b is Checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Assignment of the invention to
7. ☐ Certified copy of a priority
8. ☒ Associate Power of Attorney
9. ☐ Deletion of Inventor(s). Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

10. ☐ If a 111A application prior to examination of the above-identified application, amend the specification at Page 1, after the title, by inserting the following:  
--CROSS REFERENCE TO RELATED APPLICATION  
Reference is made to and priority claimed from U.S. Provisional Application Serial No. , filed , entitled .

**If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

11. ☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 08/842,458, filed 4/24/97.
12. ☒ Please address all written communications to Thomas H. Close, Patent Legal Staff, Eastman Kodak Company, 343 State Street, Rochester, NY 14650-2201.  
Please Direct all telephone calls to Pamela R. Crocker at (716) 477-0553.

The filing fee has been calculated as shown below:

FOR:	NO. FILED	NO. EXTRA	RATE	FEE
BASIC FEE				\$ 760
TOTAL CLAIMS	3 - 20 =	0	x 18 =	\$ 0
INDEPENDENT CLAIMS	1 - 3 =	0	x 78 =	\$ 0
MULTIPLE DEPENDENT CLAIM PRESENTED			+ 260	\$0
			<b>TOTAL</b>	<b>\$ 760</b>

☒ Please charge my Eastman Kodak Company Deposit Account No. 05-0225 in the amount of \$ 760.

**A duplicate copy of this sheet is enclosed**

☒ The Assistant Commissioner is hereby authorized to charge any additional filing fees required under 37 CFR 1.16 or credit any overpayment to Eastman Kodak Company Deposit Account No. 05-0225.

**A duplicate copy of this sheet is enclosed.**

*Pamela R Crocker*

Pamela R. Crocker/phw  
Telephone: (716) 477-0553  
Facsimile: (716) 477-4646

Attorney for Applicants  
Registration No. 42,447

PATENT APPLICATION BASED ON: Docket Number 69,449B

Inventor(s): Kenneth A. Parulski  
James R. Schueckler

Attorney Pamela R. Crocker

**ELECTRONIC CAMERA SYSTEM**  
**WITH PROGRAMMABLE TRANSMISSION CAPABILITY**

I hereby certify that this correspondence is  
being deposited today with the United States  
Postal Service as Express Mail-Post Office to  
Addressee in an envelope addressed to:  
Assistant Commissioner for Patents,  
Washington, D.C. 20231 on

1-19-99  
Paula H. West Paula H West  
Name Signature

Express Mail No. EM148178671US

66670 "4646260

**ELECTRONIC CAMERA SYSTEM**  
**WITH PROGRAMMABLE TRANSMISSION CAPABILITY**

**CROSS-REFERENCE TO RELATED APPLICATIONS**

5                   This is a continuation of application Serial No. 08/842,458, filed  
24 April 1997.

**FIELD OF THE INVENTION**

10                  The invention is directed to an electronic camera system. More  
specifically, the invention is directed to an electronic camera system that includes  
a transmission mechanism for sending image data to selected receiver units.

**BACKGROUND**

15                  Motion video cameras and electronic still cameras have been  
utilized for several years in applications involving image data transmission.  
Electronic image data generated from a video camera, for example, can be  
transmitted by a conventional broadcast television station and received by any  
television in the broadcast area tuned to the appropriate channel. It is not possible,  
however, for the transmitter to select which receivers will obtain the image data,  
20                  as selection is controlled at the receiver. Image data from electronic still cameras  
has been transmitted via conventional telephone lines to selected receivers through  
the use of a computer equipped with a modem. The image data must first be  
downloaded from the electronic still camera to the computer, which then transmits  
the image data to a second modem equipped computer via the telephone line  
25                  where it can be viewed or printed. Unfortunately, the requirement for a telephone  
line to transmit image data does not allow images to be quickly and easily  
transmitted from remote field locations to receiver units. While systems have  
been proposed that utilize radio frequency transmission to transmit image data  
from an electronic camera to an individual base unit, none of these systems have  
30                  the capability of selectively transmitting image data to a plurality of receiver units.

                  In view of the above, it is an object of the invention to provide an  
electronic camera system that includes a programmable transmission capability for  
selectively transmitting electronic image data to a plurality of remote receive units.

06670 "4652260

## SUMMARY OF THE INVENTION

The invention provides an electronic camera system that includes a programmable transmission capability for selectively transmitting electronic image data to a plurality of remote receiver units. In one preferred embodiment of the invention, a camera module is detachably coupled to a portable computer including a display screen and a data entry device. The camera module includes an electronic image sensor for generating digital image data representative of a scene to be imaged. The electronic image data generated by the camera module is supplied to the portable computer for display on the display screen. The data entry device is used by an operator to select which of the plurality of base units are to receive the digital image data. The digital image data is supplied by the portable computer to a radio-frequency transmitter module for transmission to the selected receiver units. The radio-frequency transmitter module is formed either integral with the portable computer or, like the camera module, is detachably coupled to the portable computer. In a further preferred embodiment, a combined telephone/camera unit is provided that includes a camera module for generating electronic image data representative of a scene to be imaged, a memory unit for storing the electronic image data generated by the camera module, a display screen for displaying the electronic image data stored in the memory unit, a mechanism for selecting which of the plurality of receiver units is to receive the digital image data, and a cellular transceiver for transmitting the digital image data to the receiver units selected by the selection mechanism.

## BRIEF DESCRIPTION OF THE DRAWINGS

The invention will be described in greater detail with reference to certain preferred embodiments thereof and the accompanying drawings, wherein:

Fig. 1 is a diagram of a camera system in accordance with a first embodiment of the invention;

Fig. 2 is a perspective side view of a camera module utilized in the camera system illustrated in Fig. 1;

Fig. 3 is a front view of the camera module illustrated in Fig. 2;

Fig. 4 is a schematic block diagram of the components of the camera module illustrated in Fig. 2;

Fig. 5 is a flow diagram illustrating the operation of the camera system illustrated in Fig. 1;

Fig. 6 illustrates the display of a captured image and a receiver unit menu selection on a display screen of the camera system illustrated in Fig. 1;

5 Fig. 7 is a perspective front view of a combined telephone/camera unit in accordance with a second embodiment of the invention;

Fig. 8 is a top view of the combined telephone/camera unit illustrated in Fig. 7;

10 Fig. 9 is a schematic block diagram of the combined telephone/camera unit illustrated in Fig. 8;

Fig. 10 is a flow diagram illustrating the operation of the combined unit illustrated in Fig. 7; and

Fig. 11 is a diagram illustrating the transmission of image data to a base unit utilizing the combined unit illustrated in Fig. 7.

15

#### **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS**

A diagram of a camera system in accordance with a first embodiment of the invention is illustrated in Fig. 1. The camera system includes a "clip-on" electronic camera module 10 coupled to a pen-based computer 12 that includes a radio frequency (RF) transmitter module 14 including an antenna. The camera module 10 can be of a form described in copending and commonly assigned U.S. Patent Application Serial Number 07/988,517 entitled "Electronic Camera with Memory Card Interface to a Computer", which describes a removable camera module that fits into and interfaces with a standard PCMCIA card interface slot of a pen-based computer, or of a type described in copending and commonly assigned U.S. Patent Application Serial Number 07/988,560 entitled "Electronic Camera Incorporating a Computer-Compatible Bus Interface", which describes a removable camera module that interfaces directly to a standard personal computer compatible bus. The camera module 10 takes still images that can be displayed on an interactive display screen 16 of the pen-based computer 12. The RF transmitter module 14 can either be a clip-on unit, like the camera module 10, or constructed integrally with the pen-based computer 12. The interactive display screen 16 acts as an input device to the pen-based computer 12, where a stylus or "pen" is used to select various icons or "buttons" displayed on the display

66570" 4633260

screen 16 to enter data or commands into the pen-based computer 12. Still images captured by the camera module 10 are transmitted from the pen-based computer 12 to one or more receiver units, labeled A, B and C in Fig. 1, via the RF transmitter module 14. The still images can be displayed, printed, manipulated or stored at the receiver units A-C.

The camera module 10 is shown in greater detail in Figs. 2 and 3 as preferably including a slide-out optical viewfinder 18, a capture switch 20 for initiating an image capture operation, a lens 22, a flip-out flash unit 24 that protects the lens 22 when the camera module 10 is not in use, and a computer bus connector 26 that connects the camera module 10 to either the internal bus of the pen-based computer 12 or to an interface port (such as a PCMCIA slot) of the pen-based computer 12. Mounting clips 27 are provided to aid in securing the camera module 10 to the pen-based computer 12. As shown in Fig. 4, which illustrates a schematic block diagram of the internal components of the camera module 10, scene light passes through the lens 22, an adjustable aperture 28, a shutter mechanism 30 and a filter 32 to an electronic imaging unit 34. The electronic imaging unit 34 includes a charge coupled device (CCD) electronic imaging sensor 36, for example an Eastman Kodak KAF-400, driven by a CCD driver unit 38. The electronic imaging unit 34 is coupled to an image signal processor 40 that processes an analog image signal generated by the electronic imaging sensor 36 into digital image data, and supplies the digital image data to the computer bus connector 26. Specifically, the analog image signal is supplied to a gain stage, a correlated double sampling (CDS) circuit and then an analog-to-digital (A/D) converter which are not specifically illustrated in the diagram. The digitized output signal from the A/D converter is processed via an EPROM lookup table which performs gamma correction and white balancing. The overall operation of the camera module 10 is controlled by a camera control processor 42 that includes either a general purpose microprocessor or discrete circuit elements, which receives inputs from a light measuring unit 44 and the capture switch 20, and controls the operation of the flash 24, the signal processor 40, and a driver unit 46 that controls the operation of the aperture 28 and shutter 30.

The operation of the camera system is illustrated in greater detail in the flow diagram illustrated in Fig. 5. The user turns on the pen-based computer 12 using a power switch (not shown) to activate a camera application program

stored in a memory unit of the pen-based computer 12, and then flips up the flash unit 24 which causes power to be supplied to the camera module 10 by activating a power switch (not shown). The user frames the subject using the optical viewfinder 18 and presses the capture switch 20 to initiate a sequence where the scene light level is read by the camera control processor 42 using the light measuring unit 44, the aperture 28 is adjusted, and the shutter 30 is opened to expose the electronic image sensor 36 to scene light. The camera control processor 42 also controls the firing of the flash unit 24 if the light measurement taken by the light measuring unit 44 indicates insufficient scene illumination. The image captured by the electronic image sensor 36 is processed by the image signal processor 40 and supplied to the pen-based computer 12 via the connector 26, where it is stored in the memory unit of the pen-based computer 12.

As illustrated in Fig. 6, the stored image is displayed on the display screen 16 of the pen-based computer 12 along with a transmission selection menu. The user has the option of transmitting the image to one or more of the receiver units A-C. The user selects the receiver units that are to receive the image by utilizing a pen or stylus to touch the appropriate icon displayed on the display screen 16. If appropriate, the image can be compressed, using for example JPEG compression, and converted to an appropriate format by the pen-based computer 12 prior to transmission to the receiver units A-C. After selection, the image is transmitted to the selected receiver units via the RF transmitter module 14.

The RF transmission link between the RF transmitter module 14 and the receiver units A-C may be a single frequency system including a cellular system, that uses the same frequency for all receivers, or a multiple frequency system, that uses different frequencies for each of the different receiver units A-C. In the latter case, the image is transmitted multiple times, once using the appropriate frequency band for each selected receiver unit. For single frequency systems, a header code is transmitted prior to transmitting the image. The header includes an ID for each receiver that is to receive the image. In a simple case, a three bit digital code is transmitted, where the first bit is 1 if receiver unit A should receive the image and 0 if it should not, the second bit is 1 if receiver unit B should receive the image and 0 if it should not, and the third bit is 1 if receiver unit C should receive the image and 0 if not. Alternatively, each receiver unit A-C

could be assigned a specific address, and the header would contain the address of each receiver that should receive the image.

A second embodiment of the invention is illustrated in Figs. 7 and 8. In this embodiment, a cellular telephone is provided with the components of an electronic image camera to form a combined telephone/camera unit 48. The top of the combined unit 48 includes a lens 50, a flip-up flash unit 52, and an antenna 54. The front face of the combined unit 48 is provided with a liquid crystal display screen 56 and a telephone keypad 58, both of which are coupled to an internal bus 60 along with a control processing unit 62, memory unit 64, and cellular transceiver 66 as shown in Fig. 9. The internal bus 60 is also connected to a camera module 68, which includes the same basic components as illustrated in Fig. 4, with the exception that the output from the image signal processor is supplied directly to the internal bus 60 instead of a connector.

In operation, as illustrated in greater detail by the flow diagram illustrated in Fig. 10, the user takes a picture by flipping up the flash unit 52 and pressing an image capture switch (not shown). Alternatively, a key (for example the # key) on the keypad 58 can be utilized as the image capture switch in an image capture mode of operation. The digitize picture data generated by the camera module 68 is stored in the memory unit 64 and displayed on the display screen 56. To transmit the image, the user dials the telephone number of a desired fax machine that is to receive the image using the keypad 58. The number is transmitted to the fax machine via the cellular transceiver 66. The fax machine responds back to the combined unit 48 with the type of fax mode it is capable of receiving, for example group IV fax, color fax, etc. The stored image is then converted to the appropriate fax standard by the control processing unit 62, and is transmitted to the receiving fax machine using the normal cellular telephone system that includes an RF link from the cellular transceiver 66 to a cellular base unit, which connects to the normal wire, fiber, and satellite telephone system as shown in Fig. 11. Once the image transmission is complete, the image can be transmitted to other fax machines by entering the desired numbers using the keypad 58. The memory unit 64 can include prestored phone numbers, to reduce the number of keystrokes needed to dial frequently used numbers, and can include memory for multiple images, so that multiple images can be transmitted to the same receiving fax machine, one after the other. In addition, the combined unit 48



may be pre-programmed so that the complete image capture and telephone dialing sequence is performed each time the image capture switch is activated.

The invention has been described with reference to certain preferred embodiments thereof. It will be understood, however, that modifications and variations are possible within the scope of the appended claims. For example, although the first illustrated embodiment utilizes a pen-based computer, other types of portable computers with non-interactive displays can be utilized. In such a case, commands and data would be entered via a keyboard, mouse or other data entry devices.

#### INDUSTRIAL UTILITY

The invention provides an electronic camera system that includes a programmable transmission capability for selectively transmitting electronic image data to a plurality of remote base units. The camera system is particularly suited to applications, such as news gathering operations, in which it is desirable to capture images in remote field locations and transmit the images to a base station for subsequent review, distribution or publication.

**Parts List**

- 10 Camera Module
- 12 Pen-based Computer
- 14 RF Transmitter Module
- 16 Display Screen
- 18 Optical Viewfinder
- 20 Capture Switch
- 22 Lens
- 24 Flash Unit
- 26 Computer Bus Connector
- 27 Mounting Clips
- 28 Aperture
- 30 Shutter Mechanism
- 32 Filter
- 34 Electronic Imaging Unit
- 36 Electronic Imaging Sensor
- 38 CCD Driver Unit
- 40 Image Signal Processor
- 42 Camera Control Processor
- 44 Light Measuring Unit
- 46 Driver Unit
- 48 Telephone/Camera Unit
- 50 Lens
- 52 Flash Unit
- 54 Antenna
- 56 Display Screen
- 58 Keypad
- 60 Internal Bus
- 62 Control Processing Unit
- 64 Memory Unit

**Parts List (cont'd)**

66 Cellular Transceiver

68 Camera Module

666770452260

**WHAT IS CLAIMED IS:**

1. An electronic camera system, comprising:  
a camera module producing image data;  
a computer coupled to the camera module and converting the image data into data receivable by an image receiving unit responsive to an image transmission mode signal indicating a type of image transmission receivable by the image receiving unit; and  
a transmitter/receiver module, coupled to the computer, receiving the image transmission mode signal, converting the image data to a format corresponding to the image mode and transmitting the converted image data to the receiving unit.
2. A system as recited in claim 1, wherein the image mode transmission signal comprises facsimile modes.
3. A system as recited in claim 2, wherein the facsimile modes comprises Group IV facsimile and color facsimile.

666770-46522250

**ABSTRACT OF THE DISCLOSURE**

An electronic camera system includes a programmable transmission capability for selectively transmitting electronic image data to a plurality of remote base units. In one embodiment, a camera module is detachably coupled to a portable computer including a display screen and a data entry device. The electronic image data generated by the camera module is supplied to the portable computer for display on the display screen. The data entry device is used by an operator to select which of the plurality of base units are to receive the digital image data. The digital image data is supplied by the portable computer to a radio-frequency transmitter module for transmission to the selected base units. The radio-frequency transmitter module is formed either integral with the portable computer or, like the camera module, is detachably coupled to the portable computer. In a further embodiment, a combined telephone/camera unit is provided that includes a camera module for generating electronic image data representative of a scene to be imaged, a memory unit for storing the electronic image data generated by the camera module, a display screen for displaying the electronic image data stored in the memory unit, a mechanism for selecting which of the plurality of base units is to receive the digital image data, and a cellular transceiver for transmitting the digital image data to the base units selected by the selection mechanism.

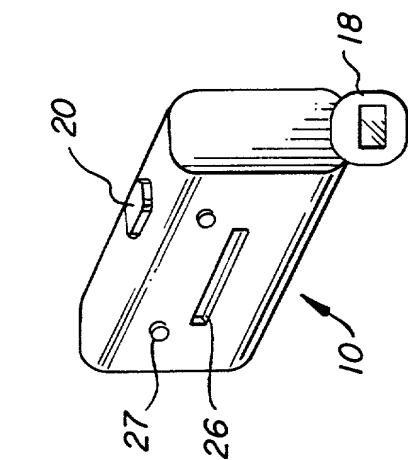


FIG. 1

FIG. 2

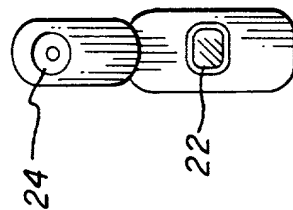
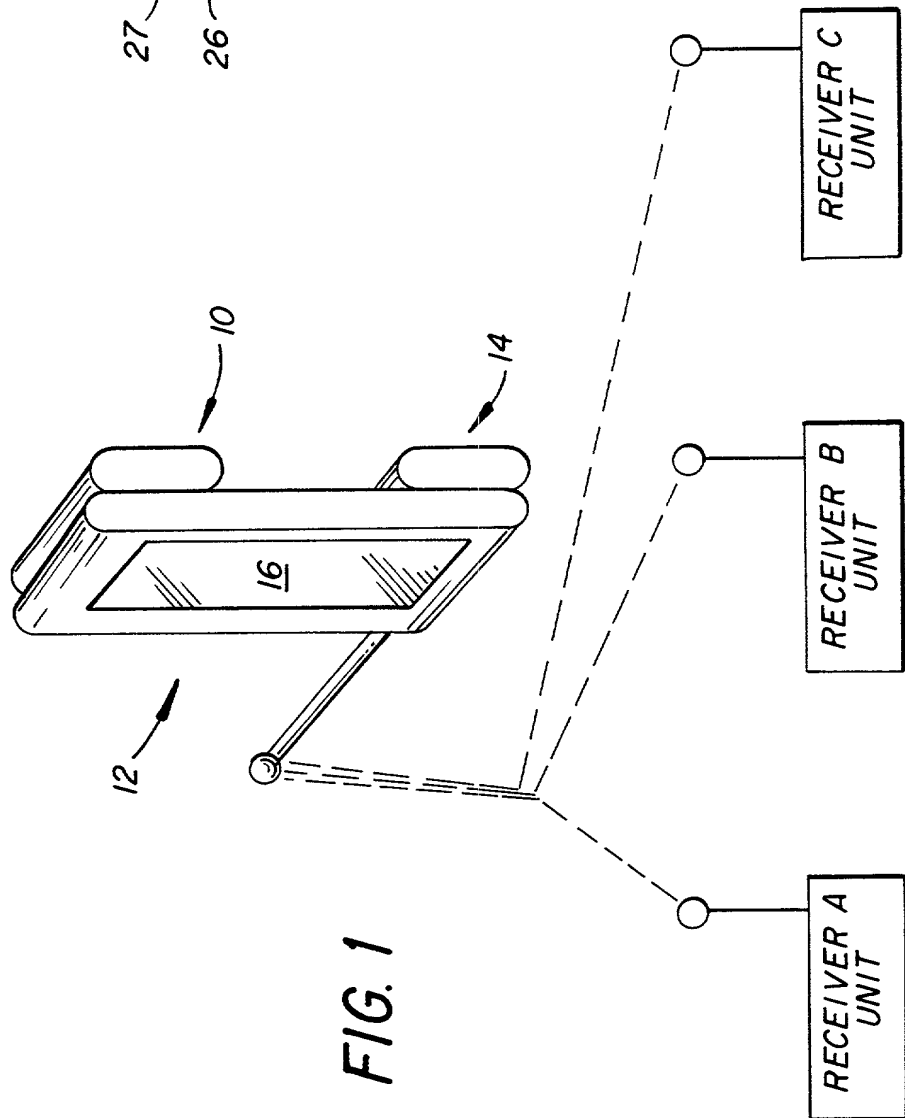


FIG. 3



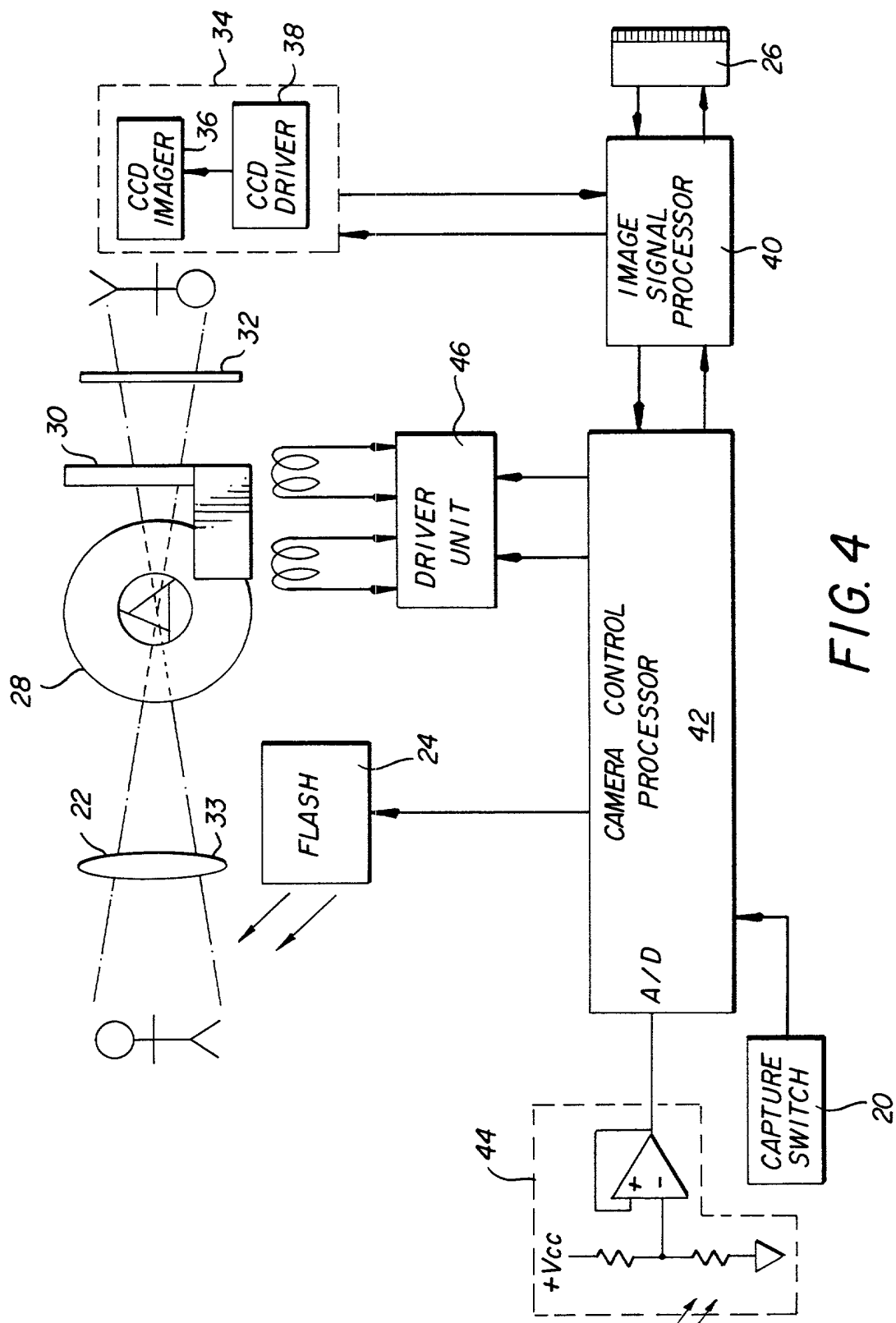
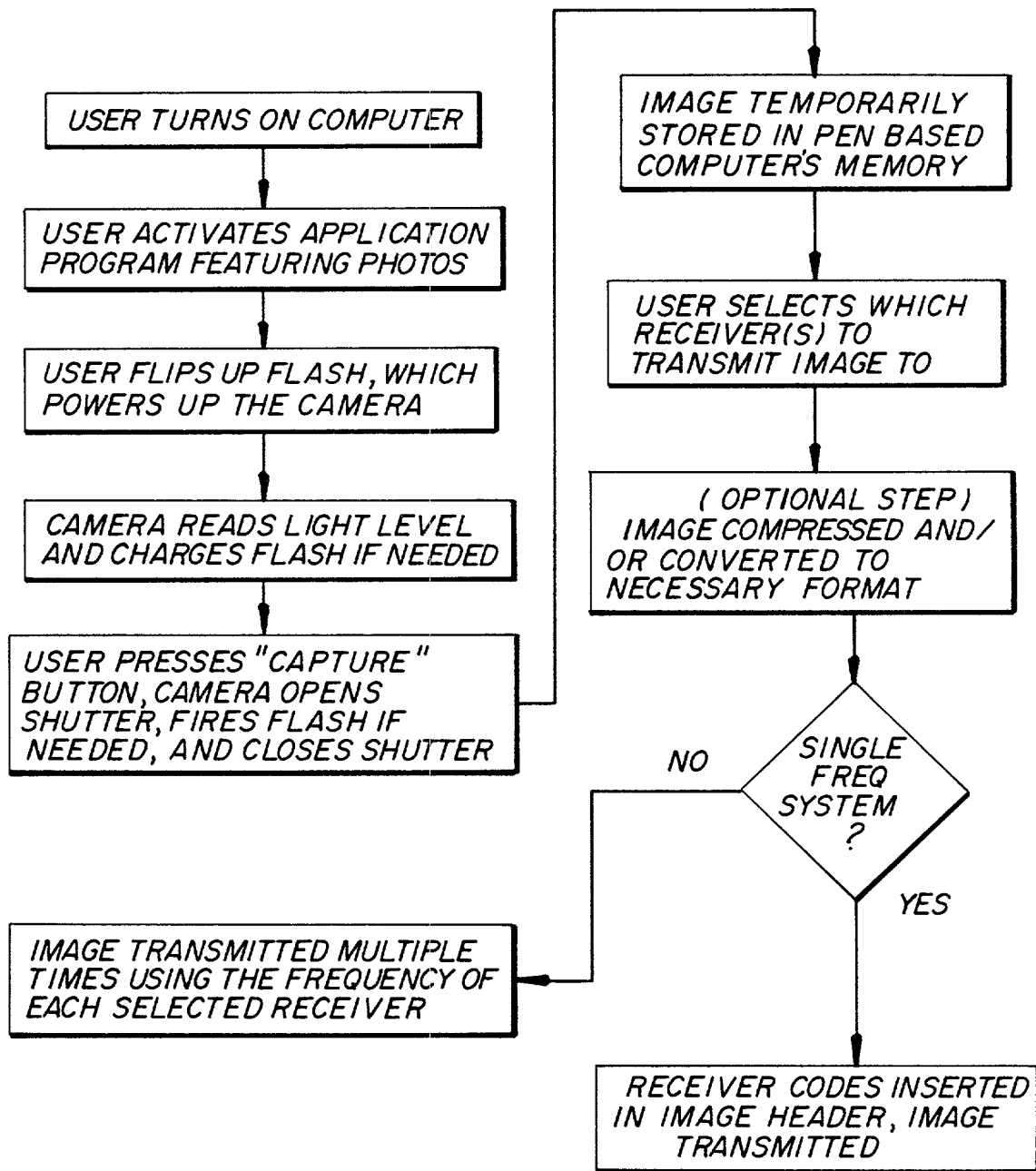


FIG. 4

FIG. 5





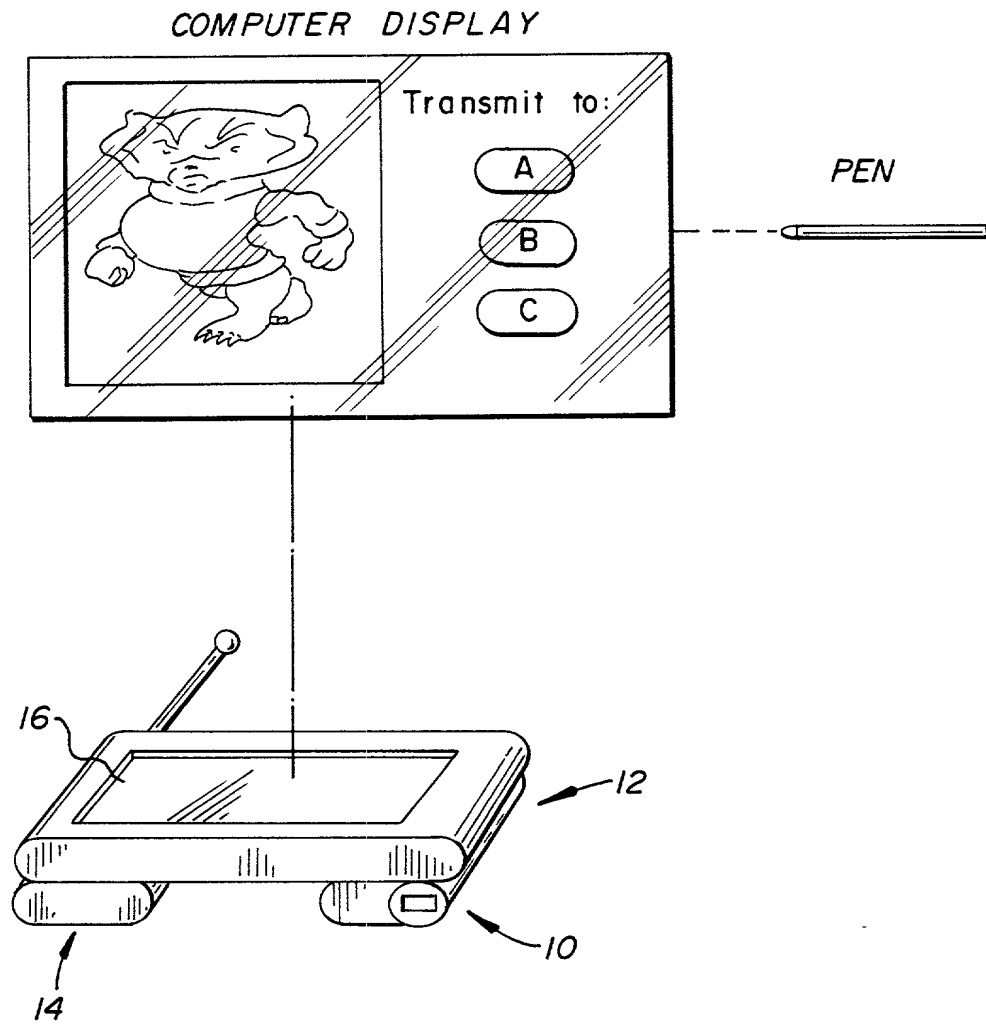


FIG. 6

FIG. 7

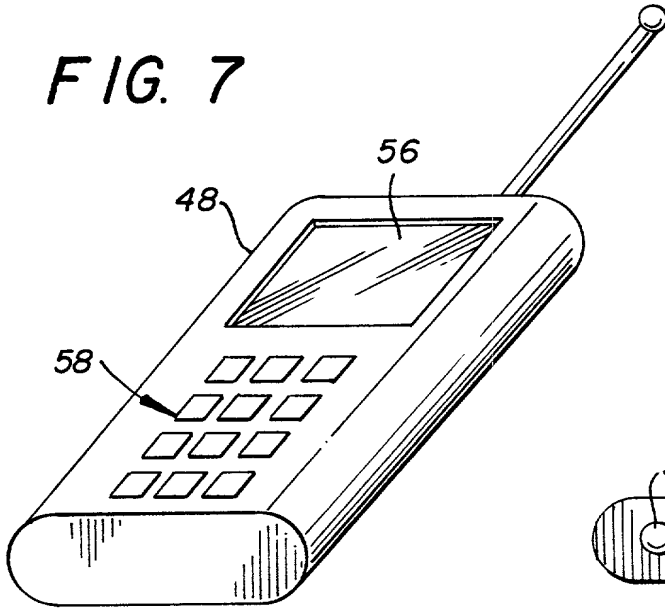


FIG. 8

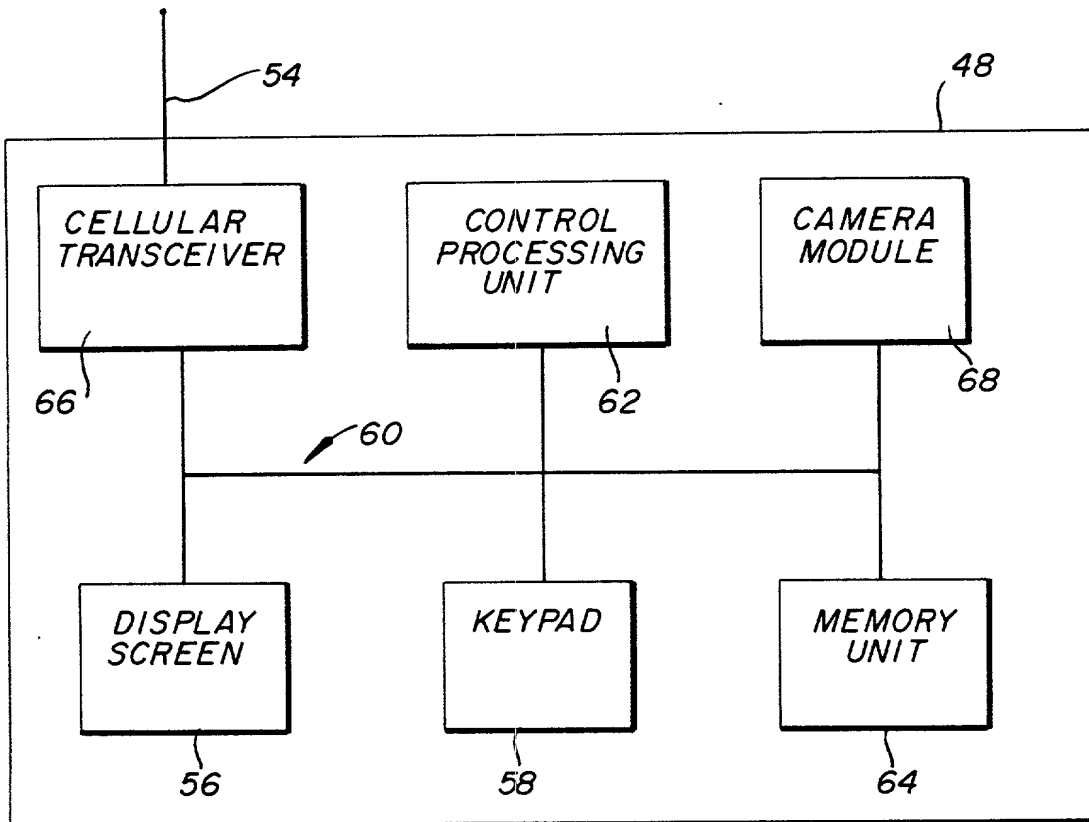
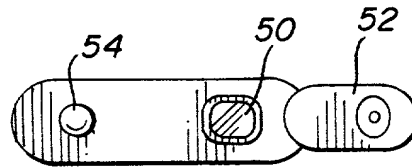


FIG. 9

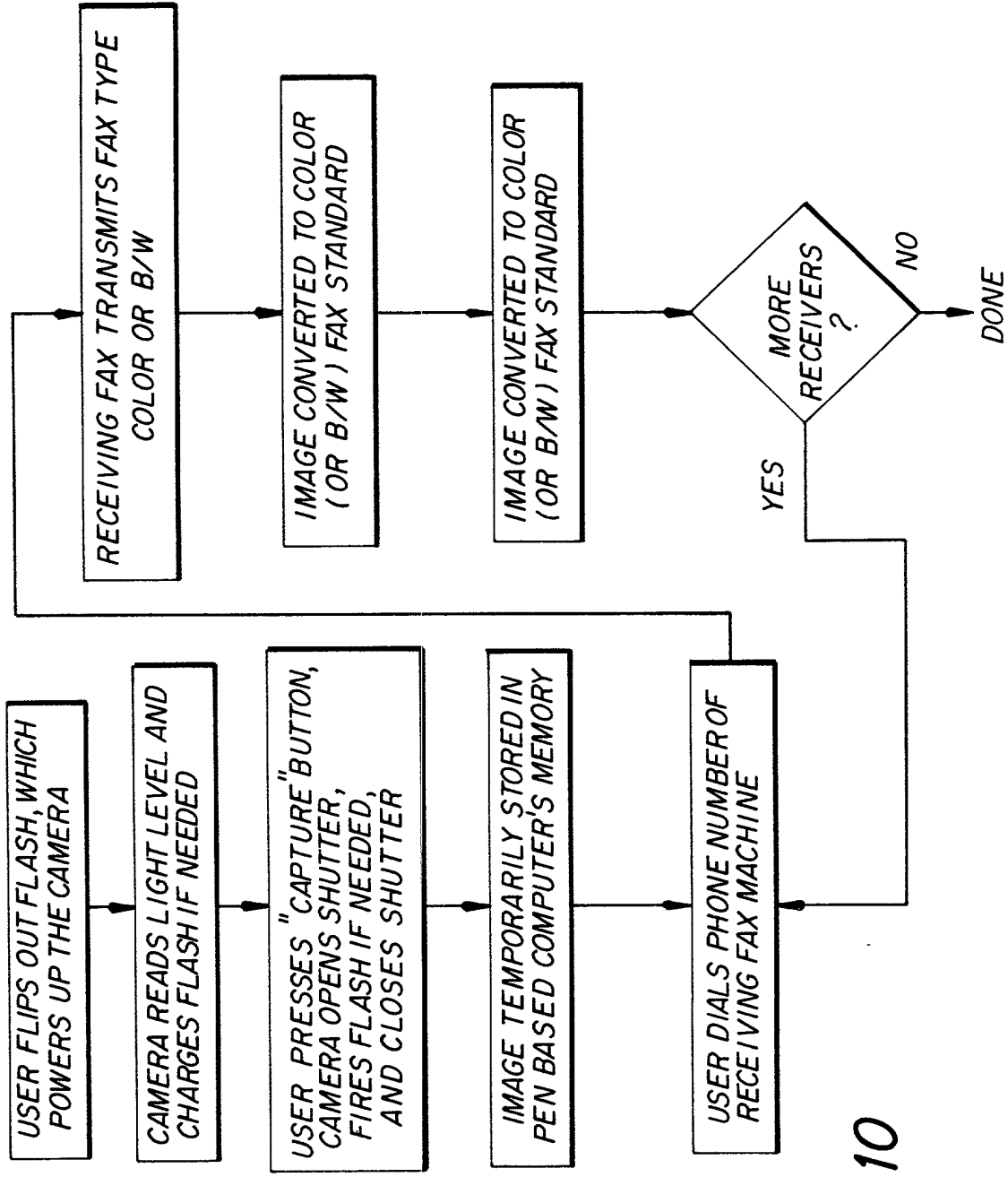


FIG. 10

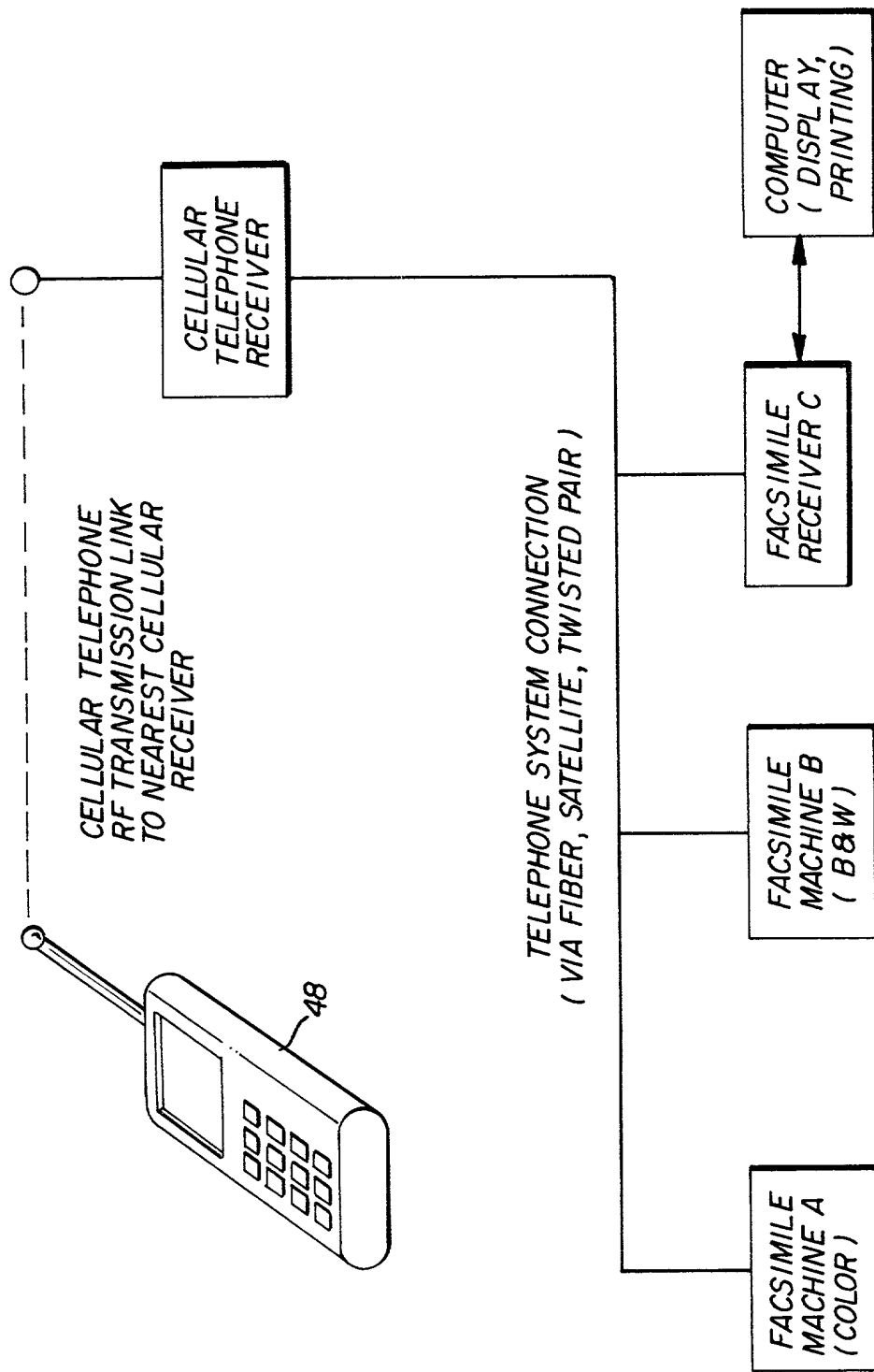


FIG. 11

**Combined Declaration For Patent Application and Power of Attorney**ATTORNEY DOCKET  
69449DMW

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ELECTRONIC CAMERA SYSTEM WITH PROGRAMMABLE TRANSMISSION CAPABILITY**

The specification of which (check only one item below):

☒ is attached hereto.☐ was filed as United States Application Serial No. on and  
was amended on (if applicable).☐ was filed as PCT international application Number on and  
was amended under PCT Article 19 on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign applications(s) for patent or inventor's certificate or any PCT international application(s) designating a least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119: None**

COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day month year)	PRIORITY CLAIMED UNDER 35 USC §119		
			YES		NO
			YES		NO
			YES		NO
			YES		NO

I hereby claim the benefit under Title 35, United States Code, Sec. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior applications(s) in the manner provided by the first paragraph of Title 35, United States Code, Sec. §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Sec. §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

**PRIOR US APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S FOR BENEFIT UNDER 35USC§120: None**

U.S. APPLICATIONS		STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		

## Combined Declaration For Patent Application and Power of Attorney (Continued)

ATTORNEY DOCKET  
69449DMW

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (List name and registration number)

Thomas H. Close, Registration No. 27,428

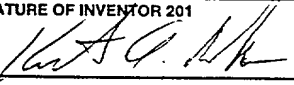
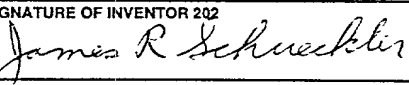
David M. Woods, Registration No. 27,171

## Send Correspondence to:

Thomas H. Close  
Eastman Kodak Company  
Patent Legal Staff  
Rochester, NY 14650-2201Direct Telephone Calls to:  
(name and telephone number)David M. Woods  
(716) 477-5256  
FAX: (716) 477-4646

2	FULL NAME OF INVENTOR	FAMILY NAME Parulski	FIRST GIVEN NAME Kenneth	SECOND GIVEN NAME A.
0	RESIDENCE & CITIZENSHIP	CITY 225 Imperial Circle Rochester	STATE OR FOREIGN COUNTRY New York 14617 USA	COUNTRY OF CITIZENSHIP US
1	BUSINESS ADDRESS	BUSINESS ADDRESS Eastman Kodak Company	CITY Rochester	STATE & ZIP CODE (COUNTRY) New York 14650 USA
2	FULL NAME OF INVENTOR	FAMILY NAME Schueckler	FIRST GIVEN NAME James	SECOND GIVEN NAME R.
0	RESIDENCE & CITIZENSHIP	CITY 8219 Parmelee Road Leroy	STATE OR FOREIGN COUNTRY New York 14482 USA	COUNTRY OF CITIZENSHIP US
2	BUSINESS ADDRESS	BUSINESS ADDRESS Eastman Kodak Company	CITY Rochester	STATE & ZIP CODE (COUNTRY) New York 14650 USA
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
3	BUSINESS ADDRESS	BUSINESS ADDRESS	CITY	STATE & ZIP CODE (COUNTRY)
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
4	BUSINESS ADDRESS	BUSINESS ADDRESS	CITY	STATE & ZIP CODE (COUNTRY)
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
5	BUSINESS ADDRESS	BUSINESS ADDRESS	CITY	STATE & ZIP CODE (COUNTRY)
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
6	BUSINESS ADDRESS	BUSINESS ADDRESS	CITY	STATE & ZIP CODE (COUNTRY)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 	SIGNATURE OF INVENTOR 202 	SIGNATURE OF INVENTOR 203
DATE May 31, 1995	DATE May 31, 1995	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

**In the United States Patent and Trademark Office**

In re Application of:

Kenneth A. Parulski, et al

ELECTRONIC CAMERA SYSTEM  
WITH PROGRAMMABLE  
TRANSMISSION CAPABILITY

Rule 1.53(b) continuing application of  
Serial No. 08/842,458, Filed 24 April  
1997

Group Art Unit: 2711

Examiner: N. Flynn

Honorable Assistant Commissioner for Patents  
Washington, D.C. 20231

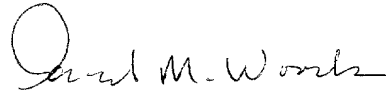
Sir:

**ASSOCIATE POWER OF ATTORNEY**

I hereby appoint Pamela R. Crocker, Registration No. 42,447,  
whose address is Eastman Kodak Company, Patent Legal Staff, Rochester,  
New York 14650 - 2201, as associate attorney in the above-entitled application  
with full power to prosecute this application and to transact all business in the  
Patent Office connected therewith.

Please address all written communications to Thomas H. Close, at  
Eastman Kodak Company, Patent Legal Staff, Rochester, New York 14650 - 2201  
and direct all telephone communications to Pamela R. Crocker at (716) 477-0553.

Respectfully submitted,



Attorney for Applicants  
Registration No. 27,171

David M. Woods/phw  
Rochester, NY 14650  
Telephone: (716) 477-5256  
Facsimile: (716) 477-4646